Problem 1:

```
1 USE AdventureWorks2019;
2 SELECT MONTH(HireDate) as Month_Number,count(MONTH(HireDate)) as Number_of_Employees_Hired
3 FROM [AdventureWorks2019].[HumanResources].Employee
4 GROUP BY MONTH(HireDate)
5
6
7
8
9
10
11
12
```

Results Messages

	Month_Number 🗸	Number_of_Employees_Hired 🗸
1	1	85
2	2	78
3	3	26
4	4	1
5	5	14
6	6	1
7	9	1
8	11	1
9	12	83

Problem 2.

```
▶ Run ☐ Cancel

₱ Disconnect ② Change Connection | AdventureWorks2019
  13
  14
         SELECT D.Name as Dept_Name, YEAR(HireDate) as year, Count(*) as number_of_employees_hired
         from [AdventureWorks2019].[HumanResources].Department as D
  15
        join [AdventureWorks2019].[HumanResources].EmployeeDepartmentHistory as Edh on D.DepartmentID=EDH.DepartmentID join [AdventureWorks2019].[HumanResources].Employee as E on (EDH.BusinessEntityID=E.BusinessEntityID)
  16
  17
         where Edh.StartDate=E.HireDate
         group by D.Name, YEAR(HireDate)
  19
         order by D.Name
  20
  21
  22
  23
            Messages
 Results
                                                   number_of_employees_hired
      Dept_Name
                                    year
       Document Control
                                        2008
2
       Document Control
                                        2009
                                                     4
       Engineering
                                        2007
       Engineering
                                        2008
       Engineering
                                        2010
                                                     1
6
       Engineering
                                        2011
                                                     1
       Executive
7
                                        2009
                                                     1
       Facilities and Maintenance
                                                     1
                                        2008
8
9
       Facilities and Maintenance
                                        2009
       Facilities and Maintenance
                                        2010
10
11
12
       Finance
                                        2009
                                                     9
                                                     3
13
       Human Resources
                                        2008
                                        2009
14
       Human Resources
                                                     3
```

Ln 25, Col 1 Spaces: 4 UTF-8 CRLF SQL 4

Problem 3.

```
25
26
     select P.FirstName,CR.Name
     from [Person].Person as P
27
     join [Person].BusinessEntity as BE on P.BusinessEntityID = BE.BusinessEntityID
28
     join [Person].BusinessEntityAddress as BEA on BEA.BusinessEntityID = BE.BusinessEntityID
29
     join [Person].Address as A on BEA.AddressID = A.AddressID
30
31
     join [Person].StateProvince as SP on SP.StateProvinceID = A.StateProvinceID
     join [Person].CountryRegion as CR on SP.CountryRegionCode = CR.CountryRegionCode
     where P.FirstName like 'S%'
33
34
```

Results Messages

	FirstName 🗸	•	Name	~
1	Sydney		Canada	
2	Sydney		Canad	а
3	Sydney		Canad	а
4	Summer		Canad	а
5	Stephanie		Canad	а
6	Stephanie		Canad	а
7	Stephanie		Canad	а
8	Stephanie		Canad	а
9	Stephanie		Canad	а
10	Stephanie		Canad	а
11	Stephanie		Canada	
12	Stephanie		Canada	
13	Stephanie		Canada	
14	Stephanie		Canada	

Problem 4.

